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## BALLOON ALIGNMENT AND COLLAPSING SYSTEM

CROSS-REFERENCE TO RELATED APPLICATIONS

The present application is a continuation-in-part of USPN U.S. Patent Application 10/244,271, filed September 16, 2002, the disclosure of which is incorporated by reference herein. BACKGROUND OF THE INVENTION

9-30-05

6,808,524

to apparatus relates The invention [0002] present incorporating balloons and to techniques employing balloons.

Certain medical and veterinary procedures employ balloons mounted on catheters for various purposes. example, as described in co-pending, commonly-assigned U.S. 09/905,227, published Patent Application Serial No. US-2002/0065512-A1, the disclosures of which are incorporated by reference herein, a structure including a balloon is used as a reflector for directing ultrasonic energy from an ultrasonic transducer mounted within the balloon onto a region of tissue to be ablated. As further described in the aforementioned application, the balloon structure also focuses Such a device can be used, the ultrasonic energy. example, to ablate cardiac tissue in treatment of cardiac arrhythmias. Other balloon structures are used for other medical and veterinary procedures.

Typically, the balloon is placed within the body of [00041 the subject by threading a carrier catheter having the balloon attached thereto into the body of the subject through the vascular system or other passages within the body and into the location with the balloon a deflated desired treatment condition. Once the balloon is at the desired location within the subject's body, the balloon is inflated, the desired procedure is performed and the balloon is again deflated and withdrawn by withdrawing the carrier catheter. procedures, it is desirable to maintain alignment between portions of the balloon, and to maintain alignment between features of the balloon and the carrier catheter while the